



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**COMBINED DECLARATION  
AND AUTHORIZATION OF AGENT**

**DECLARATION**

As a below-named inventor, I hereby declare that:

This declaration is for an original, joint, utility patent application;

My residence, post office address, and citizenship are as stated below under my name;

I believe that the below-named inventors are the original, first, and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**PULSED ION BEAM CONTROL OF SOLID STATE FEATURES**

the specification of which:

\_\_\_\_\_ is attached hereto;

✓ \_\_\_\_\_ was filed on October 28, 2003 as

**Application Serial No. 10/695,381**

and was amended on \_\_\_\_\_

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above;

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### **CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION**

I hereby claim the benefit under 35 U.S.C. §119(e) of the following United States provisional patent application:

**Provisional Application No.**

60/421,908

60/301,400

60/140,201

**Filing Date**

October 29, 2002

June 27, 2001

June 22, 1999

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### **CLAIM FOR BENEFIT OF PRIOR U.S. NONPROVISIONAL APPLICATION**

This application is a continuation-in-part (CIP) and I hereby claim priority under 35 U.S.C. §120 of the following pending United States non-provisional patent application:

**Non-provisional Application No.**

10/186,105

09/599,137

**Filing Date**

June 27, 2002

June 22, 2000

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### **DUTY OF CANDOR**

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability of the invention as defined in Title 37, Code of Federal Regulations, §1.56.

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### **AUTHORIZATION OF PATENT AGENT**

As a named inventor, I hereby appoint the following Patent Agent to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Theresa Lober, Patent Agent

Registration No. 35,253

I also hereby grant additional Authorization to the above-named Patent Agent to file and prosecute an international application under the Patent Cooperation Treaty based upon the above identified application, including a power to meet all designated office requirements for designated states.

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**CORRESPONDENCE**

Please send all correspondence to: Theresa A. Lober  
T. A. Lober Patent Services  
45 Walden Street  
Concord, Massachusetts 01742

Please direct telephone calls to: Theresa A. Lober  
(978) 369-2181

Please direct facsimiles to: Theresa A. Lober  
(978) 369-7101

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

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Full name of First joint inventor: Jene A. Goloychenko  
Inventor's Signature: Jene A. Goloychenko Date: <sup>JAG</sup> 5/18/06  
Residence: One Nowers Road  
Lexington, Massachusetts 02421 USA  
Citizenship: USA  
Post Office Address: Same as Above

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Full name of Second joint inventor: Derek M. Stein

Inventor's

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Molslaan 179 P. E.

2611 RL, Delft, Netherlands

Citizenship: Canada

Post Office Address: Same as Above

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Full name of Third joint inventor: Jiali Li

Inventor's

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 2133 N. Kantz Lane

Fayetteville, Arkansas 72703

Citizenship: USA

Post Office Address: Same as Above

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-1-

Docket No.: HVD2105

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Full name of First joint inventor: Jene A. Golovchenko

Inventor's  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: One Nowers Road  
Lexington, Massachusetts 02421 USA

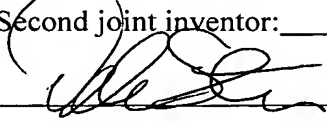
Citizenship: USA

Post Office Address: Same as Above

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Full name of Second joint inventor: Derek M. Stein  
Inventor's  
Signature:  Date: May 17, 2006  
Residence: Molslaan 179 P. E.  
2611 RL, Delft, Netherlands  
Citizenship: Canada  
Post Office Address: Same as Above

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Full name of Third joint inventor: Jiali Li  
Inventor's  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: 2133 N. Kantz Lane  
Fayetteville, Arkansas 72703  
Citizenship: USA  
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